CLAIM AMENDMENTS

Listing of Claims:

1. (currently amended) An apparatus for determining the location of a communication device (~~10, 40~~) within a wireless network, the apparatus comprising:

at least two transponder units (~~TPa-nm, TPb-nm, TPc-nm~~) with a reduced medium access control (~~MAC~~) stack unit (~~25~~), for communicating with the communication device (~~10, 40~~) when the communication device (~~10, 40~~) is situated in a coverage area of the wireless network; and

a processing unit (~~14~~) for deriving the location of the communication device (~~10, 40~~) within the coverage area in dependence on information received from the transponder units (~~TPa-nm, TPb-nm, TPc-nm~~).

2. (currently amended) An apparatus ~~Apparatus~~ as claimed in claim 1, wherein the processing unit (~~14~~) is integral to the communication device (~~10~~).

3. (currently amended) An apparatus ~~Apparatus~~ as claimed in claim 1, wherein the communication device (~~40~~) is a tag with a reduced tag medium access control (~~MAC~~) stack unit (~~65~~).

4. (currently amended) An apparatus ~~Apparatus~~ as claimed in claim 1 ~~any preceding claim~~ further comprising an access point unit (~~AP-n~~) coupled to the transponder units (~~TPa-nm, TPb-nm, TPc-nm~~), wherein the access point unit (~~AP-n~~) receives information from the transponder units (~~TPa-nm, TPb-nm, TPc-nm~~) and forwards the information to the processing unit (~~14~~).

5. (currently amended) An apparatus ~~Apparatus~~ as claimed in claim 4, wherein the access point unit (~~AP-n~~) is coupled to the transponder units (~~TPa-nm~~) via the communication device (~~10~~)

and receives information from the transponder units ~~(TPa-nm)~~ via the communication device ~~(10)~~.

6. (currently amended) An apparatus ~~Apparatus~~ as claimed in claim 4 ~~or 5~~, wherein the at least two transponder units ~~(TPa-nm, TPb-nm, TPc-nm)~~, the communication device ~~(10, 40)~~, and the access point unit ~~(12)~~ form a basic service set ~~(BSS-n)~~.

7. (currently amended) An apparatus ~~Apparatus~~ as claimed in claim 1 ~~any preceding claim~~ comprising three transponder units ~~(TPa-nm, TPb-nm, TPc-nm)~~ within the coverage area.

8. (currently amended) A network comprising an apparatus as claimed in claim 1 ~~any of the preceding claims~~.

9. (currently amended) A method for determining the location of a communication device ~~(10, 40)~~ within a wireless network, the method comprising the steps of:

arranging at least two transponder units ~~(TPa-nm, TPb-nm, TPc-nm)~~ with a reduced medium access control ~~(MAC)~~ stack unit ~~(25)~~, for communicating with the communication device ~~(10, 40)~~ when the communication device ~~(10, 40)~~ is situated in a coverage area of the wireless network;

receiving information from the transponder units ~~(TPa-nm, TPb-nm, TPc-nm)~~; and

deriving the location of the communication device ~~(10, 40)~~ within the coverage area in dependence on the received information.

10. (currently amended) A method ~~Method~~ as claimed in claim 9, wherein the step of deriving the location of the communication device ~~(10, 40)~~ comprises a triangulation method or a signature method.